Table S1. β-galactosidase activities measured in this study. Shown in this table are the average and the standard deviation of at least two (Fig. 2, 5A, 5B, 6B and 6C) or three (Fig. 3, 4 and 6A) independent experiments. For Fig. 4E and 5C, a single representative experiment done with two duplicate samples is shown. Measurements were done on cells grown to exponential phase (A₆₀₀ of about 0.4) in rich medium (LB (Fig. 2A, 2B, 6A and 6C), LB + ampicillin (Fig. 4E, *rybB-lacZ* fusion), LB + 0.02% arabinose (Fig. 4D and 6B), LB + ampicillin + IPTG 100 μM (Fig. 2C, 3, 5A and 5B), LB + ampicillin + IPTG 100 μM + 0.02% arabinose (Fig. 4E, P_{BAD-phoP-lacZ} fusion) or LB + ampicillin + IPTG 100 μM + 0.004% arabinose (Fig. 5C)).

Table S2. Oligonucleotides used in this study